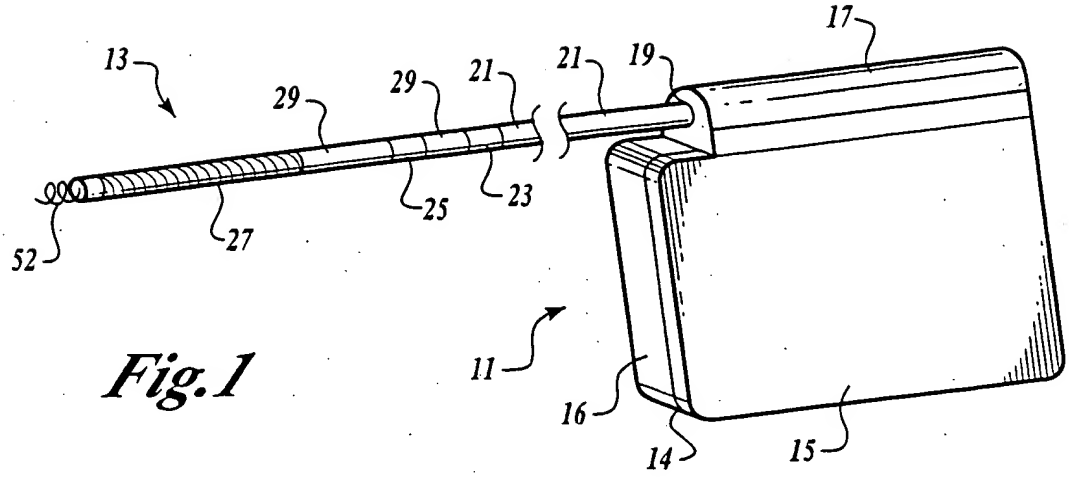

Fig. 1

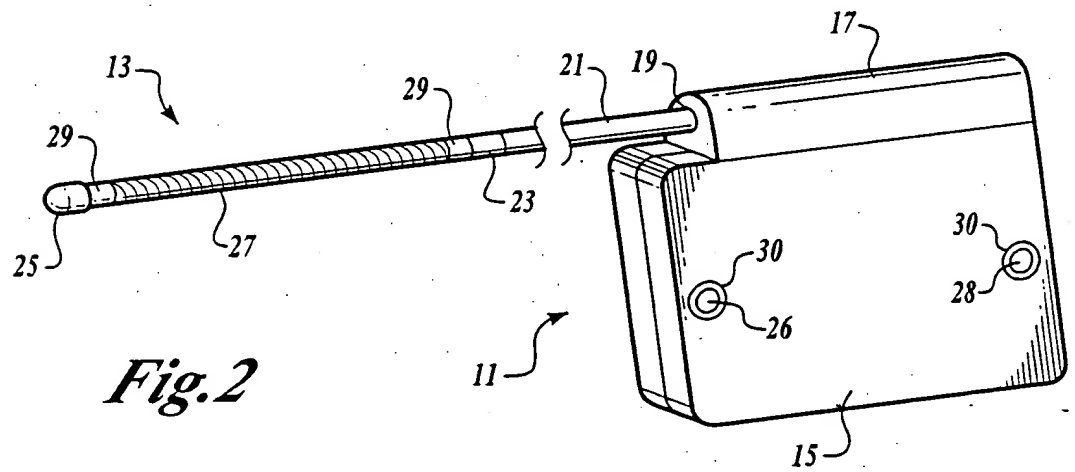

Fig. 2

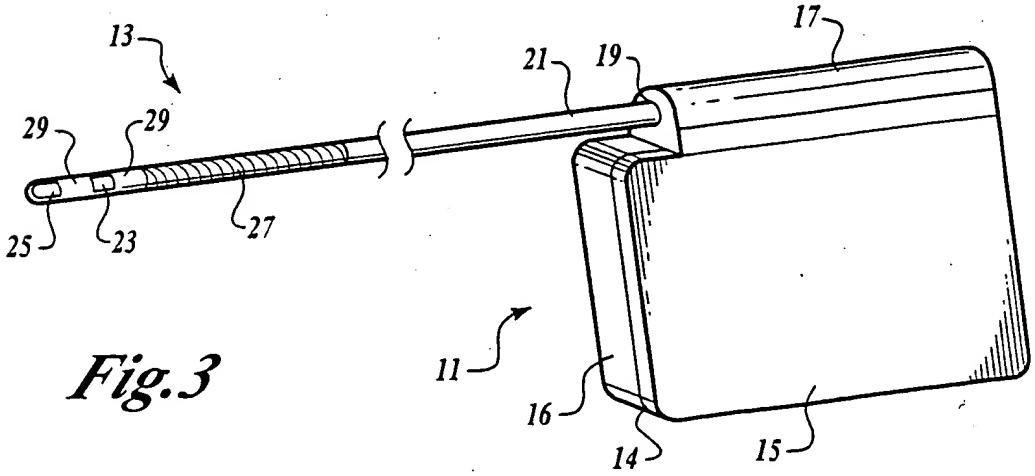

Fig. 3

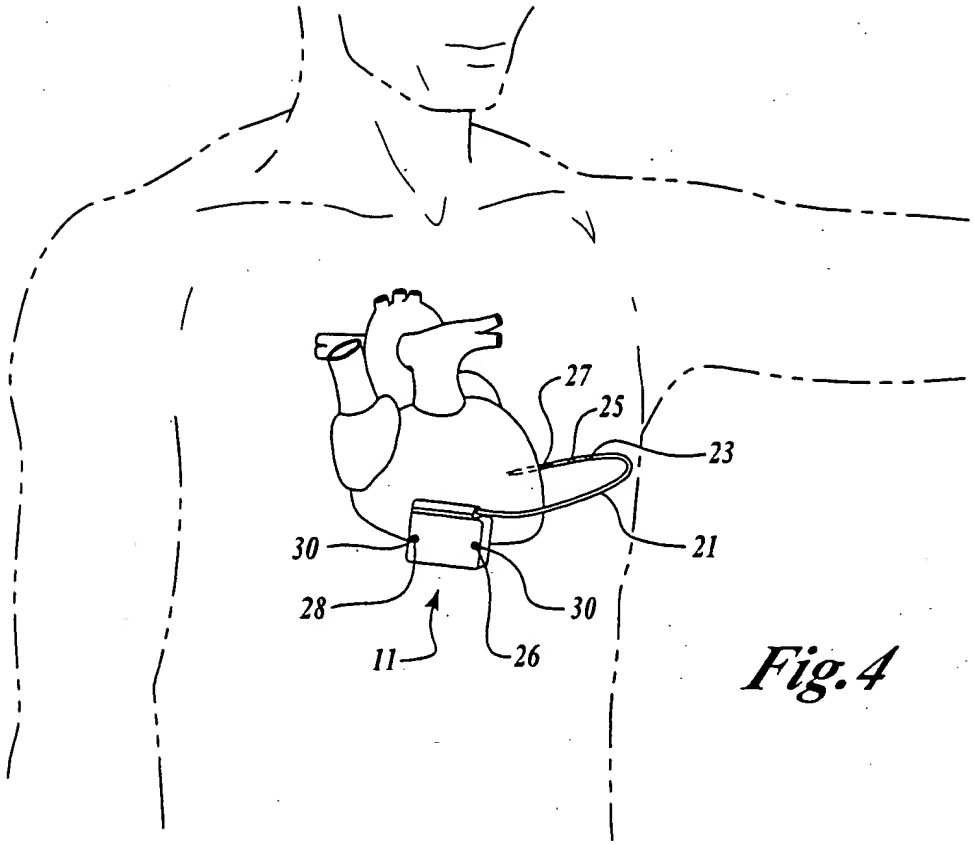

Fig. 4

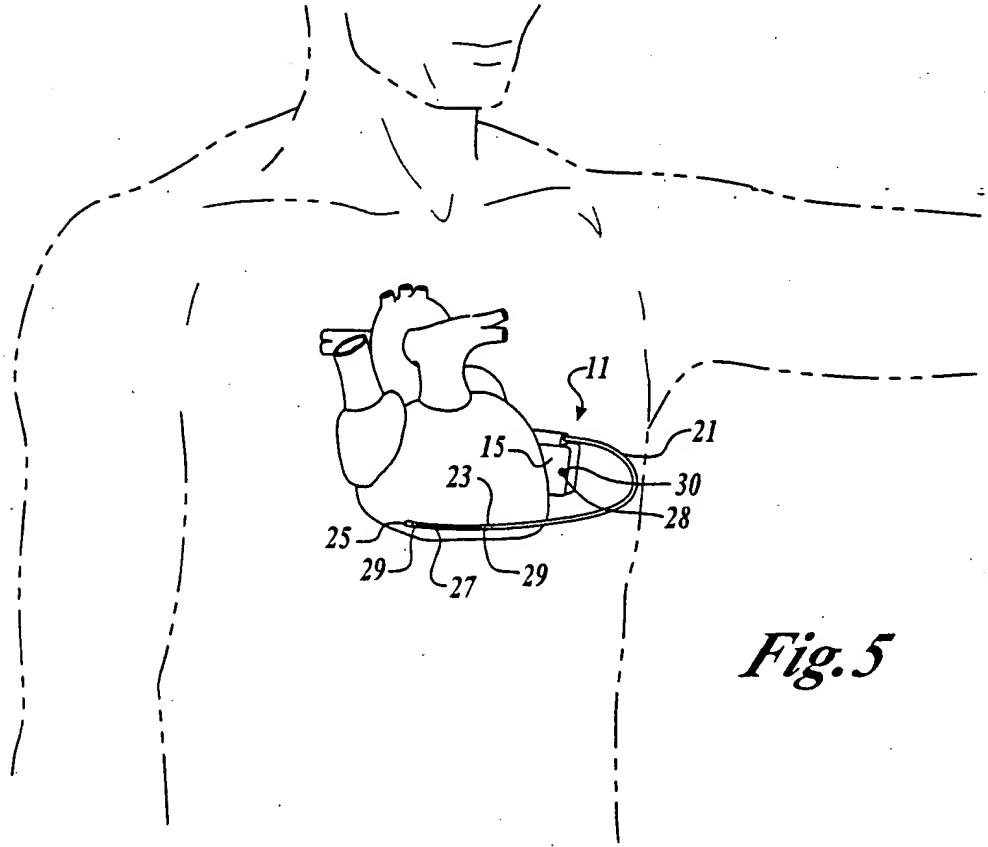

Fig. 5

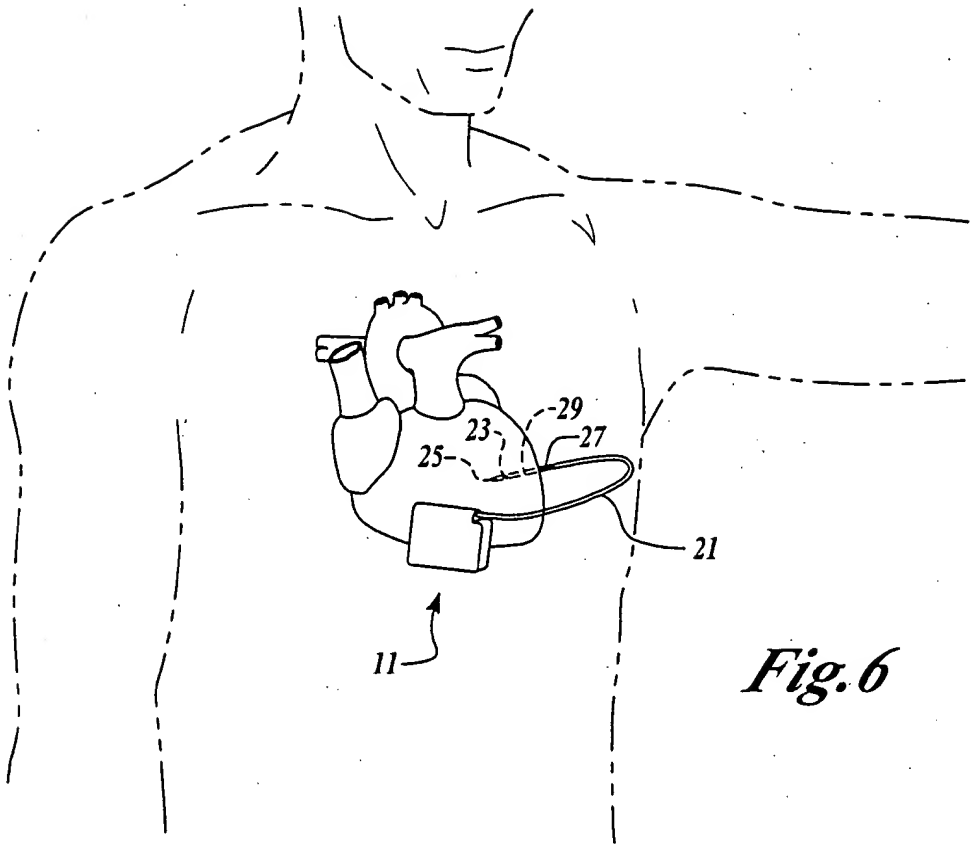

Fig.6

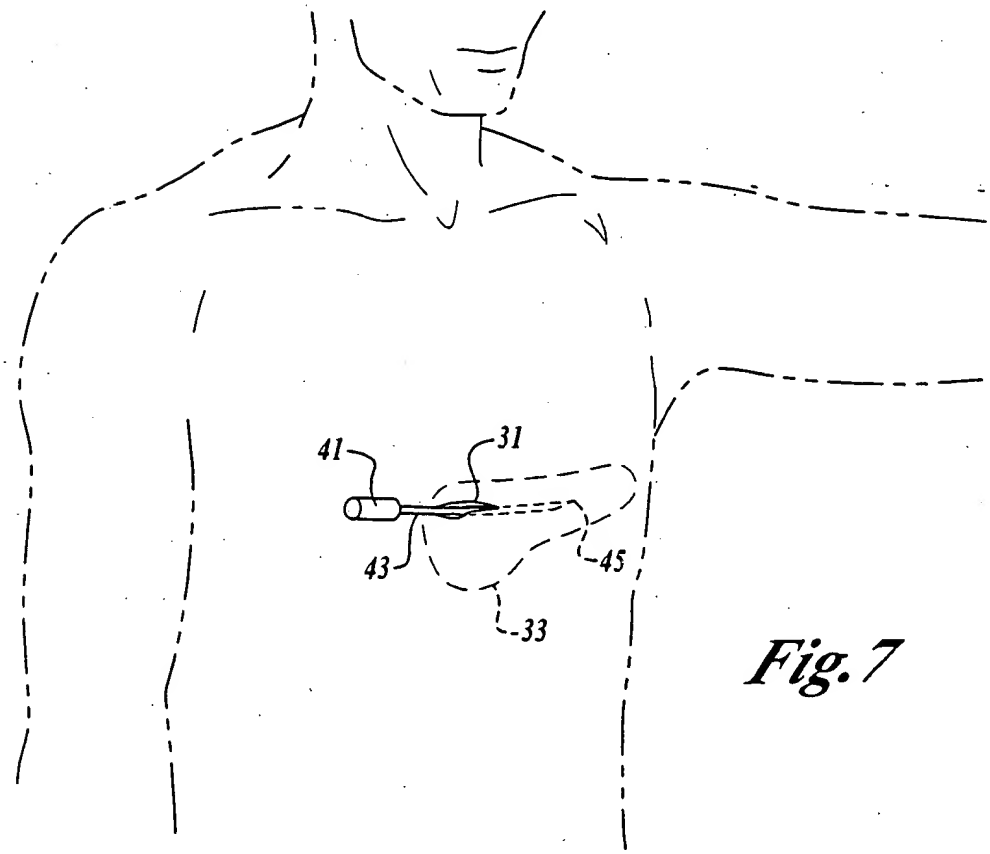

Fig.7

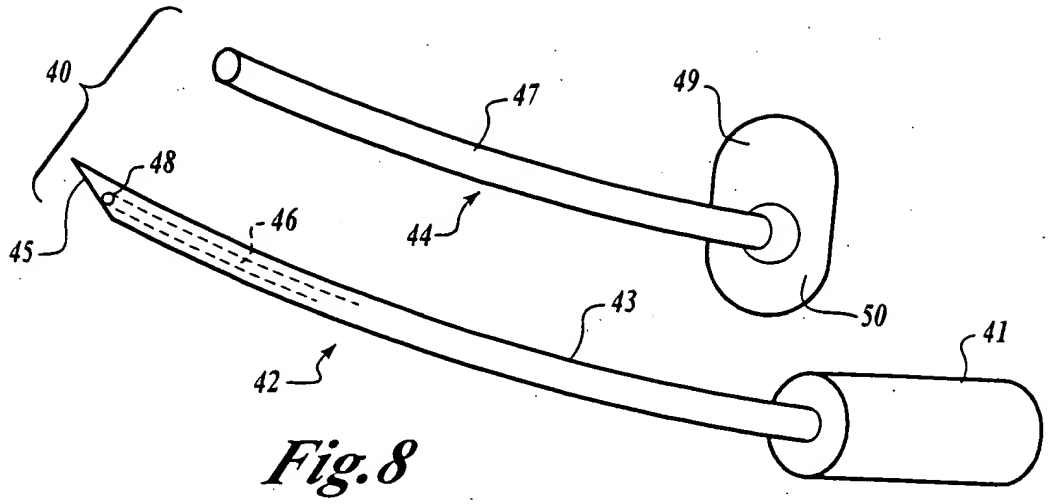

Fig.8

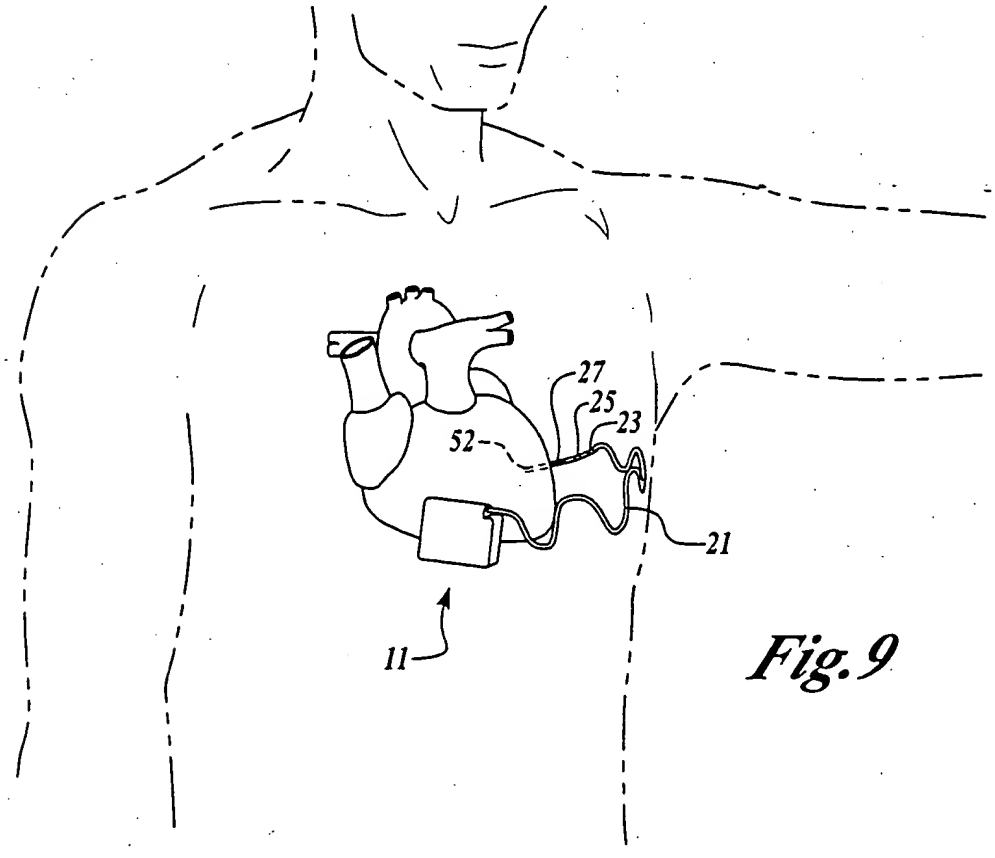

Fig.9

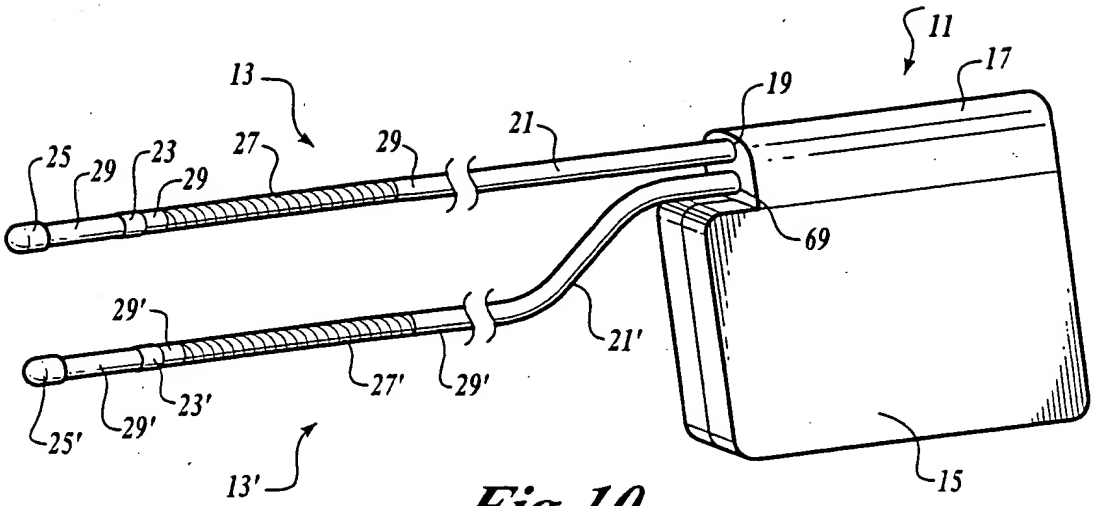
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Fig.10

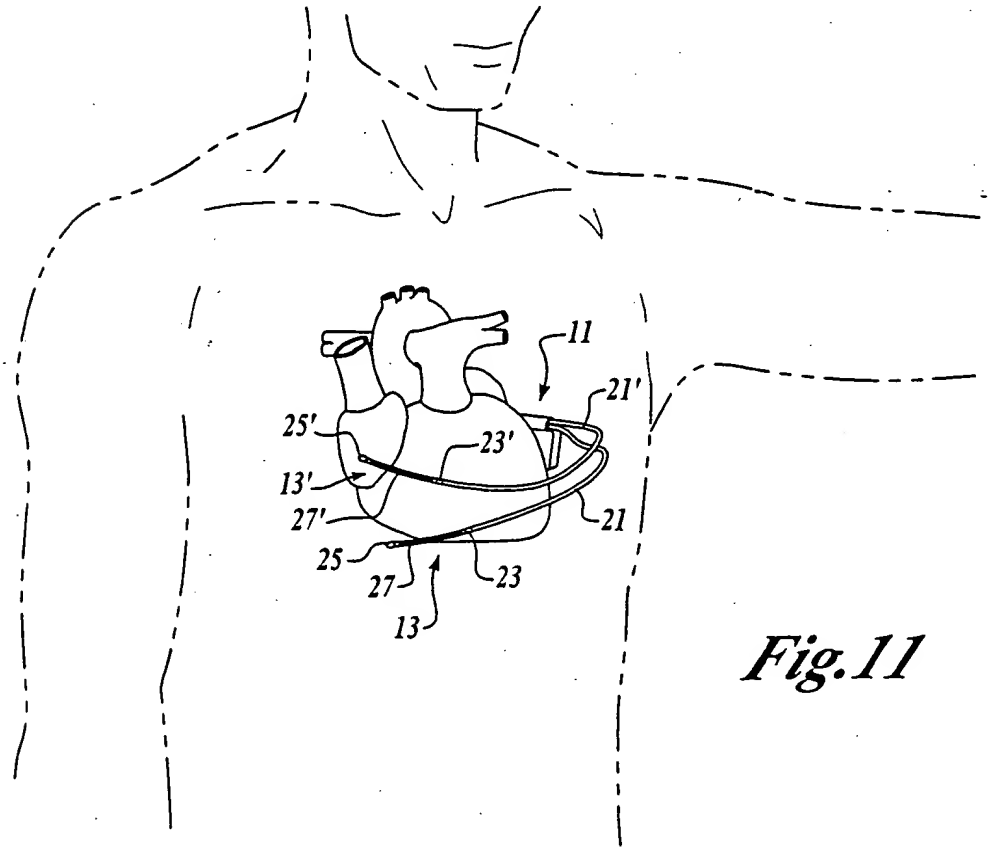
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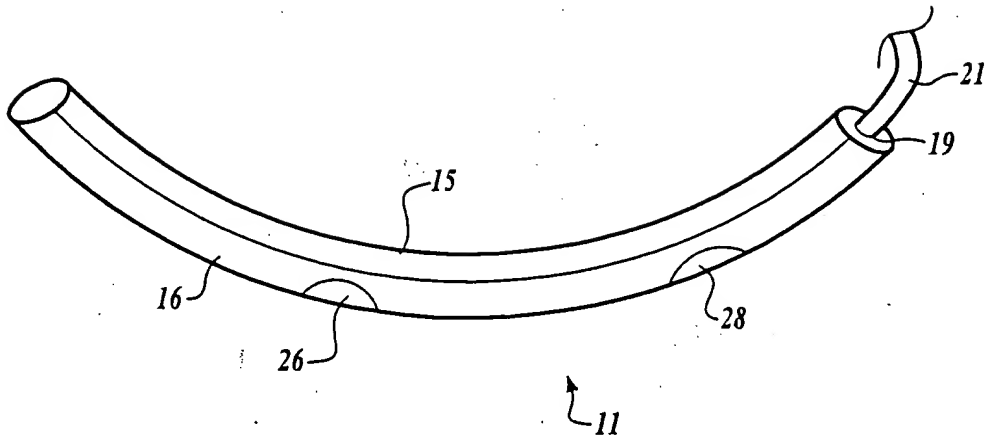
Fig.11



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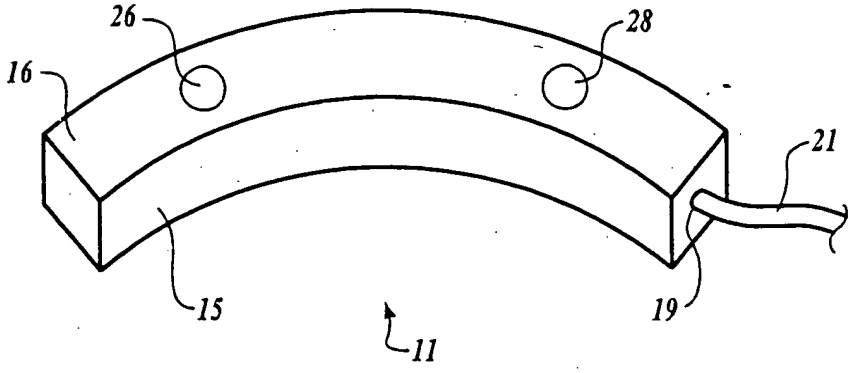

Fig.13

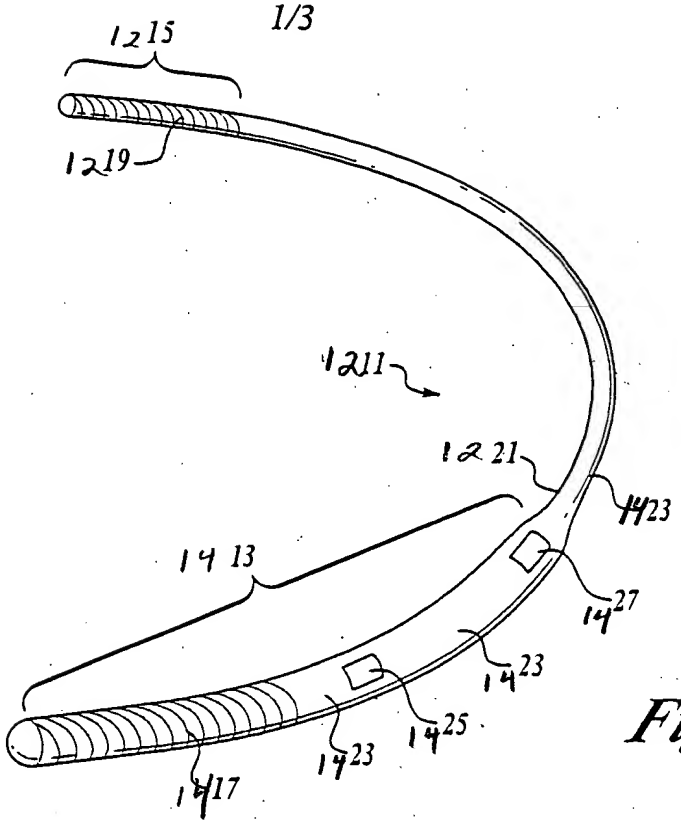
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Fig. 14

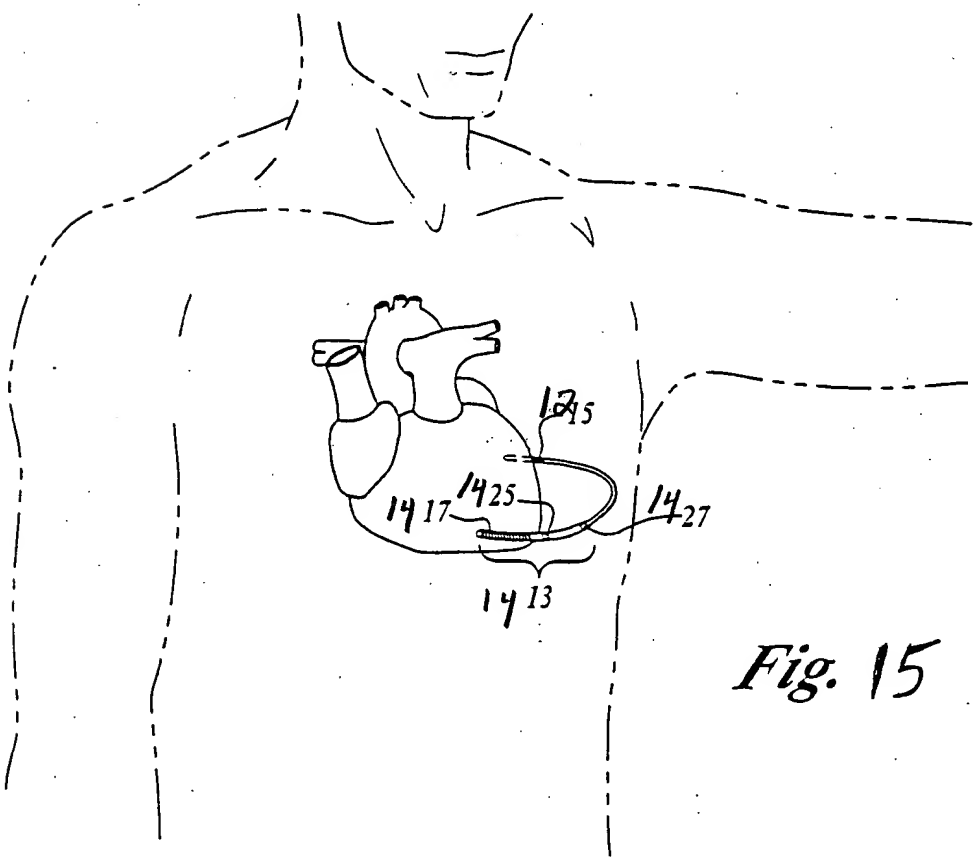
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Fig. 15

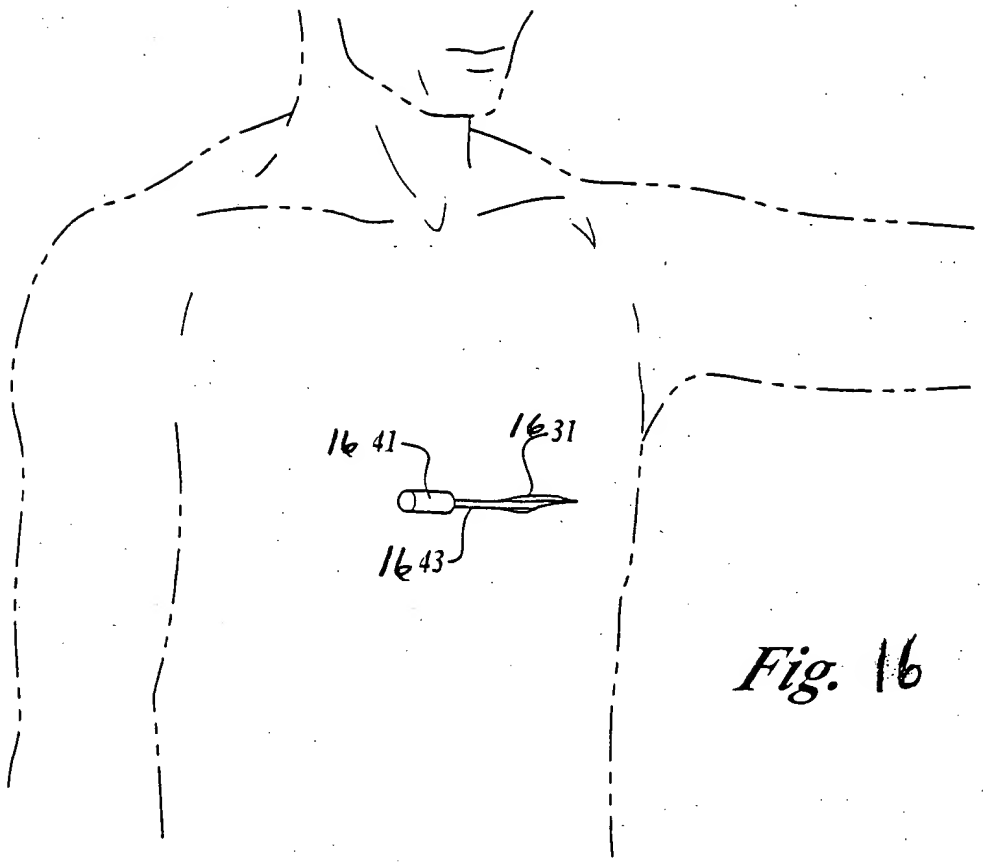

Fig. 16

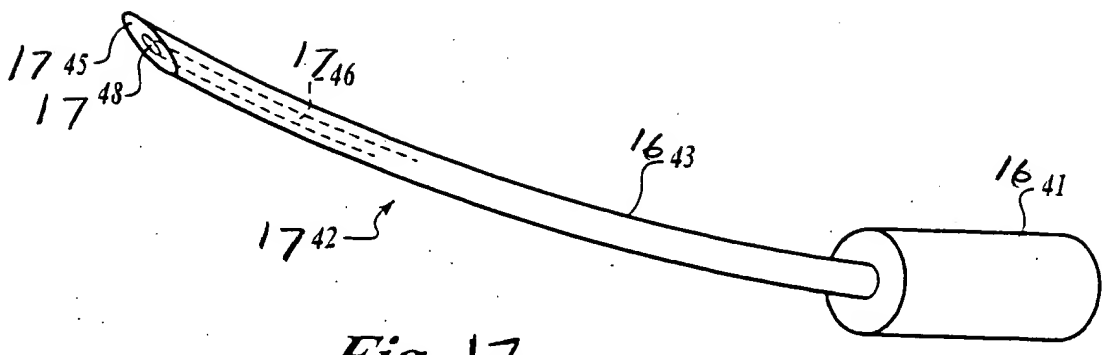

Fig. 17

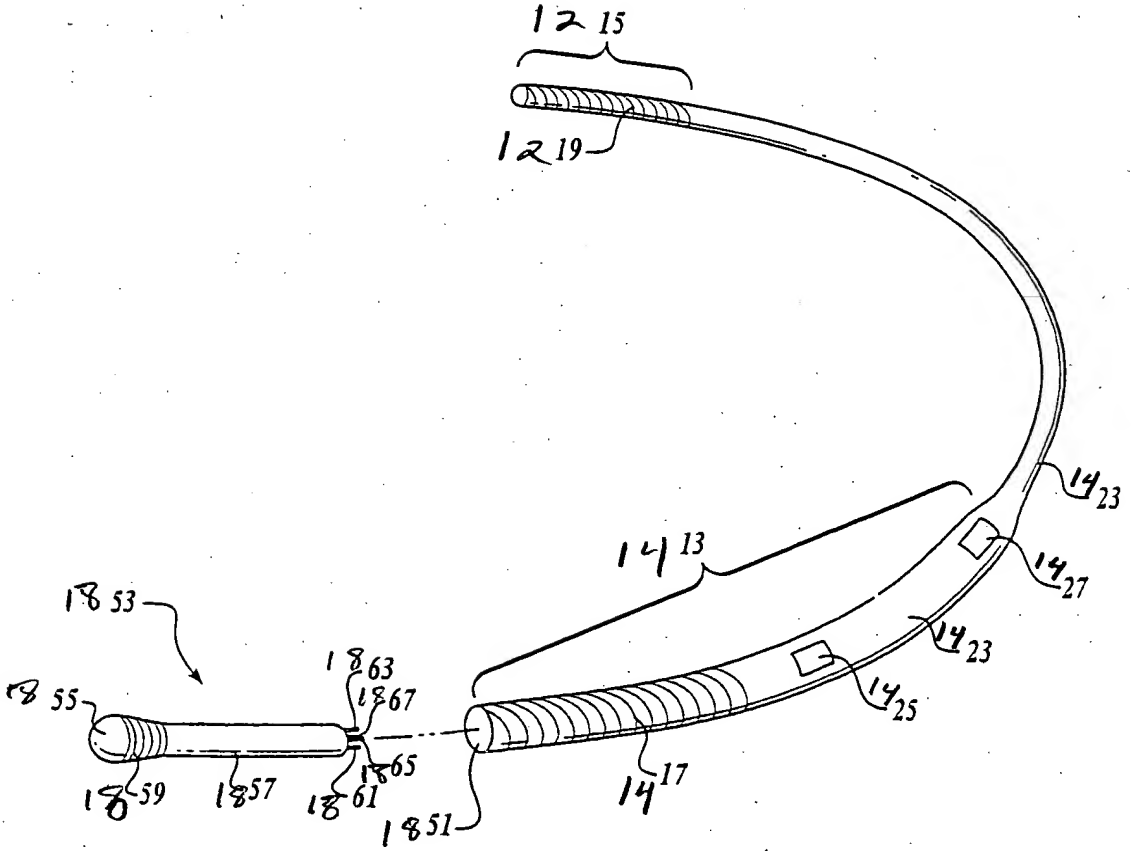
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Fig. 18

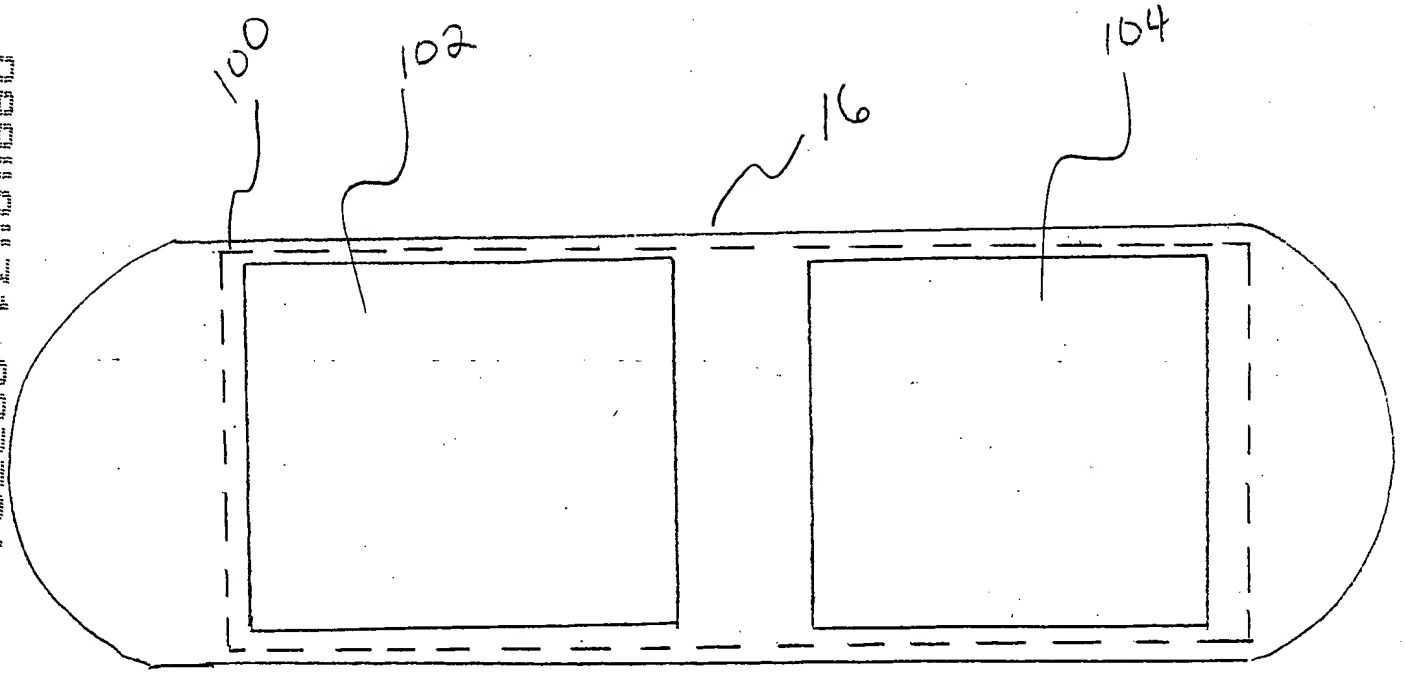


Fig. 19

Capacitors	Effective V	Effective C	Pulse Width	Indiv C	Total Volume
1	350 V	3,380 µF	377 msec	3,380 µF	27.6 cc's
2	700 V	845 µF	94 msec	1,690 µF	27.6 cc's
3	1,050 V	376 µF	42 msec	1,128 µF	27.6 cc's
4	1,400 V	211 µF	23 msec	844 µF	27.6 cc's
5	1,750 V	135 µF	15 msec	675 µF	27.6 cc's
6	2,100 V	94 µF	10 msec	564 µF	27.6 cc's

Fig. 20

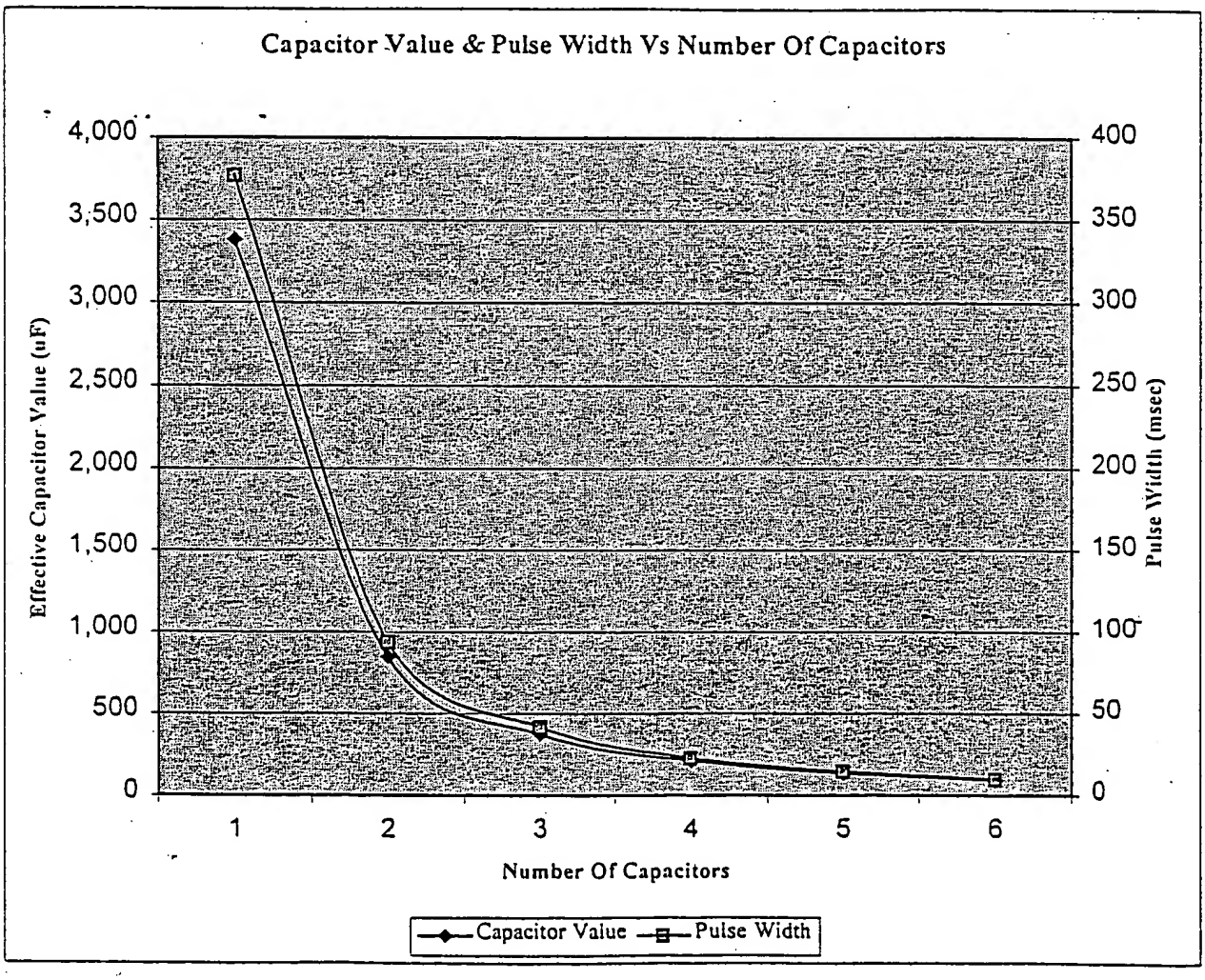


Fig. 21

Charge Times vs. Power Supply Efficiency, Two Batteries

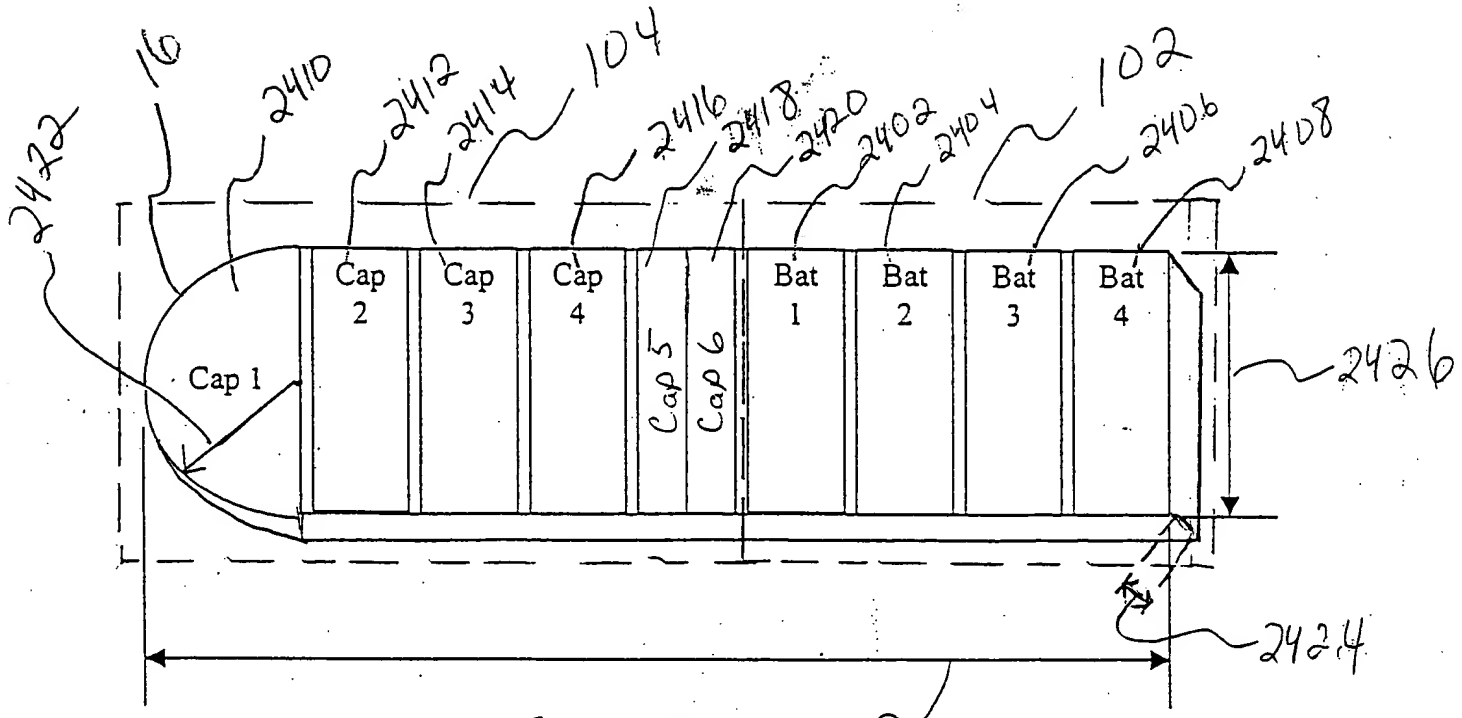
Stored Energy	Inverter Efficiency	Time, BOL	Time, EOL
207 J	65%	25.5 sec	31.8 sec
207 J	70%	23.6 sec	29.6 sec
207 J	75%	22.1 sec	27.6 sec
207 J	80%	20.7 sec	25.8 sec
207 J	85%	19.5 sec	24.3 sec
207 J	90%	18.4 sec	23.0 sec

Fig. 22

Charge Time vs. Number Of Batteries

Energy	Number Batteries	Efficiency	Time, BOL	Time, EOL	Number Batteries	Time, BOL	Time, EOL
207 J	3	65%	17.0 sec	21.2 sec	4	12.7 sec	15.9 sec
207 J	3	70%	15.8 sec	19.7 sec	4	11.8 sec	14.8 sec
207 J	3	75%	14.7 sec	18.4 sec	4	11.0 sec	13.8 sec
207 J	3	80%	13.8 sec	17.3 sec	4	10.4 sec	12.9 sec
207 J	3	85%	13.0 sec	16.2 sec	4	9.7 sec	12.2 sec
207 J	3	90%	12.3 sec	15.3 sec	4	9.2 sec	11.5 sec

Fig. 23


16
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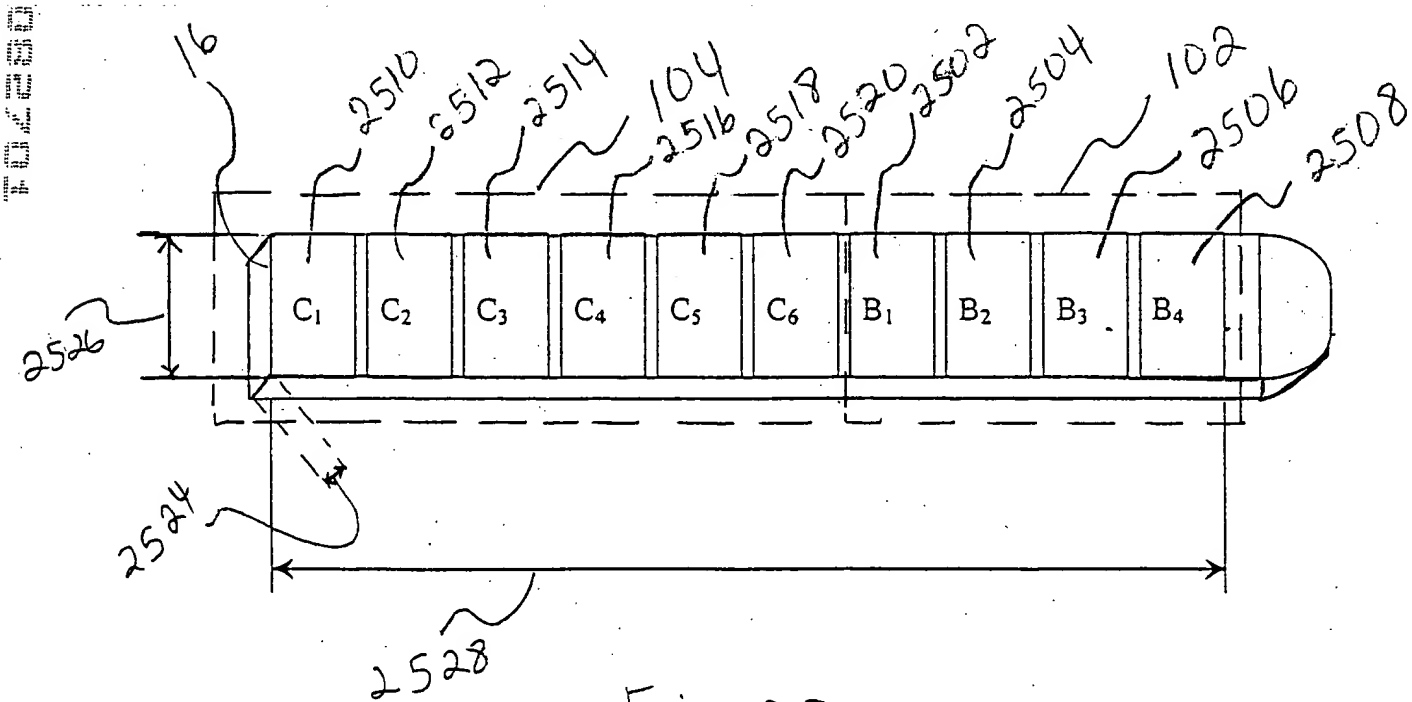
2414
104
2416
2418
2420
2402
2404
102
2406
2408
2422
Cap 1
Cap 2
Cap 3
Cap 4
Cap 5
Cap 6
Bat 1
Bat 2
Bat 3
Bat 4
2426
2424
2428

Fig. 24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2504
102
2506
2508
C1
C2
C3
C4
C5
C6
B1
B2
B3
B4
2526
2524
2528

Fig. 25

Device Width's & Length's Vs Thickness

Example	Thickness	Width	Length	Volume
1	0.2 in (0.51 cm)	1.9 in (4.83 cm)	8.0 in (20.32 cm)	50 cc's
2	0.3 in (0.76 cm)	1.5 in (3.81 cm)	6.8 in (17.27 cm)	50 cc's
3	0.4 in (1.02 cm)	1.3 in (3.40 cm)	6.0 in (15.24 cm)	50 cc's
4	0.3 in (0.76 cm)	2.0 in (5.08 cm)	4.6 in (11.76 cm)	50 cc's

Fig. 26

Variations In Capacitors & Batteries At Various Energy Levels

Energy Delivered	Energy Stored	Effective Voltage	Effec Cap Value	Pulse Width 60 Ohm	# Of Cap's	Invert Eff'y	WHr Per Charge	Charge Time BOL	# Of Batt's
150 J	207 J	2,100 V	94 µF	10 msec	6	75%	276	11 sec	4
125 J	172 J	1,750 V	112 µF	12 msec	5	75%	229	9 sec	4
100 J	137 J	1,750 V	89 µF	9 msec	5	75%	183	10 sec	3
75 J	103 J	1,400 V	105 µF	9 msec	4	75%	137	11 sec	2
50 J	69 J	1,050 V	125 µF	10 msec	3	75%	92	7 sec	2

Fig. 27